

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 3167

TITLE: PUBLIC HEALTH LABORATORY TECHNOLOGIST

GRADE: S-19

DEFINITION:

Under general supervision, to perform a wide variety of chemical, microscopic, clinical and bacteriological tests; to prepare a variety of chemical solutions, culture media and histological slides; and to do related work as required.

TYPICAL TASKS:

Performs various blood tests as to bleeding time, blood counts, coagulation time, differential counts, hematocrit, hemoglobin concentration, sedimentation rates, etc.;

Examines feces for the presence of intestinal parasites and ova, diacetic acid, sugar and microscopic examination of urine for blood cells and casts or other matter.

Performs tests to determine content of albumin, cholesterol, creatinine, creatine CPK, glucose, alkaline phosphatase, uric acid, protein, and chloride of body fluids received in the laboratory; Performs the examination of sputum specimens for the presence of tubercule bacilli by both microscopic and cultural methods, and identifies acid fast bacilli.

Performs tests of milk and milk products for bacterial count, coliform bacterial count, butterfat content, phosphatase and solids; performs tests for bacterial counts of water, for total bacterial count, total coliform, fecal coliform, etc.;

Prepares a variety of culture media as necessary for growth and identification of bacteria or other microorganisms;

Prepares solutions used in various media and analysis; operates a wide variety of laboratory apparatus such as PH meter, chemical balance, spectrophotometer, titrator, micro titration equipment, fluorescent and phase microscopes, automated analytical equipment, etc.;

Performs a variety of serological tests such as those for syphilis, rubella, febrile diseases, mononucleosis, etc.;

Examines animal brain tissue for rabies infection and animal innocations.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Considerable knowledge of biology, chemistry, and medical laboratory procedures; and the ability to interpret and follow instructions.

EMPLOYMENT STANDARDS:

Any combination of education and experience equivalent to completion of college course work with major emphasis in biology, chemistry, medical technology or a related field of study and two years of highly diversified experience in a laboratory; or possession of a valid certificate in medical technology issued by a nationally recognized society, plus two years of highly diversified laboratory experience.

REVISED: Feb. 13,1989

REVISED: March 8, 1983